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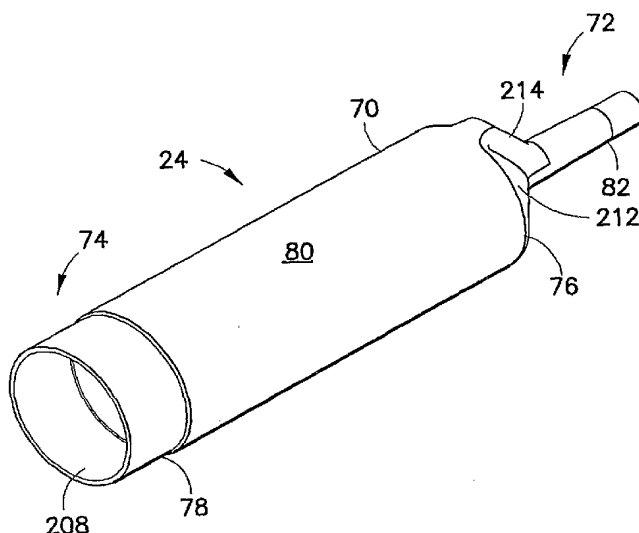
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- (71) Applicant (*for all designated States except US*): MEDRAD, INC.** [US/US]; One Medrad Drive, Indianapolis, PA 15051 (US).
- (72) Inventors; and**
- (75) Inventors/Applicants (*for US only*): SCHRIVER, Ralph, H.** [US/US]; 1832 Bakerstown Road, Tarentum,

PA 15084 (US). **SPOHN, Michael, A.** [US/US]; 112 Pine Ridge Lane, Butler, PA 16002 (US). **JOYCE, Thomas, P.** [US/US]; 3571 Ridgewood Drive, Wilkins Township, PA 15235 (US). **GRUBIC, Herbert, M.** [US/US]; 306 Mount Royal Boulevard, Pittsburgh, PA 15223 (US). **CRITCHLOW, Richard, G.** [US/US]; 101 Washington Avenue, Apartment 431, Oakmont, PA 15139 (US).

- (74) **Agents: BRADLEY, Gregory, L.** et al.; Medrad, Inc., One Medrad Drive, Indianola, PA 15051 (US).
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- (54) Title:** FLUID INJECTION APPARATUS WITH FRONT LOAD PRESSURE JACKET, LIGHT ILLUMINATION, AND SYRINGE SENSING



- (57) Abstract:** The fluid injection apparatus is adapted for use with a syringe and includes an injector and a pressure jacket associated with the injector. The injector includes a housing defining an opening for a drive piston extendable from the housing. The pressure jacket secures the syringe during an injection procedure. The pressure jacket has a distal end defining a syringe receiving opening for receiving the syringe, and a proximal end associated with the housing and generally aligned with the opening. The apparatus includes a syringe sensor adapted for engagement by the syringe when loaded into the pressure jacket. The housing may have an engagement tab adapted to engage an engagement recess in the pressure jacket to removably engage the pressure jacket with the housing. The apparatus may have one or more light sources associated with the housing for illuminating the syringe received in the pressure jacket.